

Water-Data Report 2008

01461250 WICKECHEOKE CREEK AT LOCKTOWN, NJ

DELAWARE RIVER BASIN

LOCATION.--Lat 40°29'09", long 74°58'14" referenced to North American Datum of 1983, Delaware Township, Hunterdon County, NJ, Hydrologic Unit 02040105, at bridge on unnamed road in Locktown, 1,050 ft northwest of Locktown, 1.9 miles upstream from Plum Brook, and 3.0 miles northwest of Sergeantsville.

DRAINAGE AREA.--9.24 mi².

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1977-78, 2007-08.

REMARKS.--Cooperative Network Site Descriptor: Statewide Status, NJ Department of Environmental Protection Watershed Management Area 11.

COOPERATION.--Physical measurements and samples for laboratory analyses were provided by personnel of the NJ Department of Environmental Protection. Determinations of dissolved ammonia, dissolved orthophosphate, and suspended residue were performed by the NJ Department of Health and Senior Services, Environmental and Chemical Laboratory.

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**
Part 1 of 5
[Remark codes: <, less than; E, estimated.]

Date	Time	Turbidity white light, det ang 90+/-30 corrctd	UV absorb- ance, 254 nm, wat flt	UV absorb- ance, 280 nm, wat flt	Baro- metric pressure, mm Hg	Dis- solved oxygen, mg/L (00025)	Dis- solved oxygen, percent of sat- uration (00300)	pH, water, unfltrd field, std units (00400)	Specif- ic conduc- tance, wat unf μS/cm (00095)	Temper- ature, air, deg C (00020)	Temper- ature, water, deg C (00010)	Hard- ness, water, mg/L as CaCO ₃ (00900)	Calcium water, fltrd, mg/L (00915)
Dec 04...	1030	13	.370	.296	740	12.6	88	8.2	240	3.2	.9	52	12.3
Feb 27...	1000	17	.259	.204	736	12.9	90	8.0	178	6.1	.1	34	8.11
May 19...	1000	19	.484	.381	738	9.8	91	8.7	137	13.4	11.9	37	8.58
Aug 25...	1000	4.6	.134	.099	748	8.2	92	8.0	247	23.0	20.9	57	13.1

01461250 WICKECHEOKE CREEK AT LOCKTOWN, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 2 of 5

[Remark codes: <, less than; E, estimated.]

Date	ANC, wat unf fixed end pt,						Chlor- ide, water, filtrd, mg/L as CaCO ₃	Fluor- ide, water, filtrd, mg/L	Silica, water, filtrd, mg/L as SiO ₂	Sulfate water, filtrd, mg/L	Residue water, filtrd, sum of constitu- ents	Residue on evap.	Residue at 180degC	Ammonia	
	Magnes- ium, water, filtrd, mg/L	Potas- sium, water, filtrd, mg/L	Sodium, water, filtrd, mg/L	lab, mg/L as CaCO ₃	(00925)	(00935)	(00930)	(90410)	(00940)	(00950)	(00945)	(70301)	(70300)	(00530)	(00623)
Dec 04...	5.07	2.52	24.3	25	40.9	E.09	9.0	16.4	E128	143	5	.44	.030		
Feb 27...	3.30	1.39	17.0	20	27.5	<.12	6.7	11.8	90	110	10	.34	.026		
May 19...	3.73	1.60	10.5	33	11.4	E.08	9.2	10.0	E77	102	7	.60	.026		
Aug 25...	5.99	3.49	23.2	65	24.1	E.12	4.7	17.6	E132	137	7	.39	.052		

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 3 of 5

[Remark codes: <, less than; E, estimated.]

Date	Nitrate + nitrite water filtrd, mg/L as N	Partic- ulate nitro- gen, water, filtrd, mg/L	Total nitro- gen, water, unfiltrd	Total nitro- gen, water, mg/L	Ortho- phosphate, water, filtrd, mg/L as P	Phos- phorus, water, filtrd, mg/L as P	Phos- phorus, water, unfiltrd, mg/L as P	Total carbon, suspd sediment	Inor- ganic carbon, suspd sediment	Organic carbon, suspd sediment	Organic carbon, total, mg/L	Arsenic water, filtrd, mg/L	Arsenic water, unfiltrd mg/L
	(00631)	(49570)	(00602)	(00600)	(00671)	(00666)	(00665)	(00694)	(00688)	(00689)	(00681)	(01000)	(01002)
Dec 04...	.42	.07	.86	.93	.032	.050	.078	.5	<.04	.5	8.3	--	--
Feb 27...	.46	.13	.80	.93	.012	.027	.054	.8	<.04	.8	5.7	.34	E.49
May 19...	.31	.13	.92	1.0	.019	.048	.082	.9	<.04	.9	9.9	--	--
Aug 25...	.04	.15	.43	.58	.022	.024	.051	.9	<.04	.9	4.6	.80	1.0

01461250 WICKECHEOKE CREEK AT LOCKTOWN, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 4 of 5

[Remark codes: <, less than; E, estimated.]

Date	Barium, water, unfltrd recover -able, μg/L (01007)	Beryll- ium, water, unfltrd recover -able, μg/L (01012)	Boron, water, unfltrd recover -able, μg/L (01020)	Boron, water, unfltrd recover -able, μg/L (01022)	Cadmium water, unfltrd recover -able, μg/L (01027)	Chrom- ium, water, unfltrd recover -able, μg/L (01034)	Copper, water, unfltrd recover -able, μg/L (01042)	Iron, water, unfltrd recover -able, μg/L (01045)	Lead, water, unfltrd recover -able, μg/L (01051)	Mangan- ese, water, unfltrd recover -able, μg/L (01055)	Mercury water, unfltrd recover -able, μg/L (71900)	Nickel, water, unfltrd recover -able, μg/L (01067)	Selen- ium, water, unfltrd recover -able, μg/L (01147)
Dec 04...	--	--	11	--	--	--	--	--	--	--	--	--	--
Feb 27...	18.6	.05	7.4	E6	.05	.91	1.9	545	.94	20.7	E.008	1.3	.19
May 19...	--	--	15	--	--	--	--	--	--	--	--	--	--
Aug 25...	26.6	<.04	23	22	.04	E.39	1.8	289	.64	173	<.010	1.2	.14

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007
TO SEPTEMBER 2008

Part 5 of 5

[Remark codes: <, less than;
E, estimated.]

Date	Silver, water, unfltrd recover -able, μg/L (01077)	Zinc, water, unfltrd recover -able, μg/L (01092)
Dec 04...	--	--
Feb 27...	<.02	5.7
May 19...	--	--
Aug 25...	<.02	4.3

01461250 WICKECHEOKE CREEK AT LOCKTOWN, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 1 of 7

[Remark codes: <, less than; E, estimated.]

Date	1-Naph-thol, water, 0.7u GF μg/L (49295)	2,6-Di-ethyl-aniline, water, 0.7u GF μg/L (82660)	2Chloro- -2',6'-diethyl acetanilide wat flt μg/L (61618)	CIAT, water, fltrd, μg/L (04040)	2-Ethyl- -6-methyl-chloro-aniline water, fltrd, μg/L (61620)	3,4-Di-chloro-aniline water, fltrd, μg/L (61625)	3,5-Di-chloro-aniline water, fltrd, μg/L (61627)	4-Chloro- 2methyl-phenol, water, fltrd, μg/L (61633)	Aceto-chlor, water, fltrd, μg/L (49260)	Ala-chlor, water, fltrd, μg/L (46342)	alpha-Endo-sulfan, water, fltrd, μg/L (34362)	Atra-zine, water, fltrd, μg/L (39632)	Azin-phos-methyl oxon, water, fltrd, μg/L (61635)
May 19...	E.01	<.006	<.010	E.159	<.010	<.006	<.008	E.005	<.006	.101	<.006	2.18	<.04

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 2 of 7

[Remark codes: <, less than; E, estimated.]

Date	Azin-phos-methyl, water, 0.7u GF μg/L (82686)	Ben-flur-alin, water, 0.7u GF μg/L (82673)	Car-baryl, water, 0.7u GF μg/L (82680)	Carbo-furan, water, 0.7u GF μg/L (82674)	Chlor-pyrifos oxon, water, 0.7u GF μg/L (61636)	Chlor-pyrifos water, 0.7u GF μg/L (38933)	Chlor-pyrifos water, 0.7u GF μg/L (82687)	cis-Per-methrin water, 0.7u GF μg/L (79846)	cis-Propi-conazole, water, 0.7u GF μg/L (04041)	Cyana-zine, water, 0.7u GF μg/L (61585)	Cyflu-thrin, water, 0.7u GF μg/L (61595)	Iambda-Cyhalothrin, water, 0.7u GF μg/L (61586)	Cyper-methrin water, 0.7u GF μg/L (82682)	DCPA, water, fltrd, μg/L (61586)
May 19...	<.120	<.010	E.066	<.020	<.06	<.005	<.010	<.006	<.020	<.016	<.004	<.014	E.003	

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 3 of 7

[Remark codes: <, less than; E, estimated.]

Date	Desulf- inylfipro- nil, water, fltrd, μg/L (62170)	Diazi-non, water, fltrd, μg/L (39572)	Dicro-tophos, water, fltrd, μg/L (38454)	Diel-drin, water, fltrd, μg/L (39381)	Dimeth-oate, water, 0.7u GF μg/L (82662)	Disulf-oton, sulfone water, 0.7u GF μg/L (61640)	Disul-foton, water, 0.7u GF μg/L (82677)	Endo-sulfan, sulfate water, 0.7u GF μg/L (61590)	EPTC, water, 0.7u GF μg/L (82668)	Ethion, monoxon water, 0.7u GF μg/L (61644)	Ethion, water, 0.7u GF μg/L (82346)	Etho-prop, water, 0.7u GF μg/L (82672)	Fenami-phos- sulfone water, fltrd, μg/L (61645)	
May 19...	E.007	<.005	<.08	<.009	<.006	<.01	<.04	<.022	<.005	<.02	<.006	<.012	<.053	

01461250 WICKECHEOKE CREEK AT LOCKTOWN, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 4 of 7

[Remark codes: <, less than; E, estimated.]

Date	Fenami-phos sulf- oxide, water, fltrd, μg/L (61646)	Fenami-phos, water, fltrd, μg/L (61591)	Desulf-inyl- fipro- nil sulfide amide, wat flt μg/L (62169)	Fipro-nil sulfide water, fltrd, μg/L (62167)	Fipro-nil sulfone water, fltrd, μg/L (62168)	Fipro-nil sulfone water, fltrd, μg/L (62166)	Fonofos water, fltrd, μg/L (04095)	Hexa-zinone, water, fltrd, μg/L (04025)	Ipro-dione, water, fltrd, μg/L (61593)	Isofen-phos, water, fltrd, μg/L (61594)	Mala-oxon, water, fltrd, μg/L (61652)	Mala-thion, water, fltrd, μg/L (39532)	Meta-laxyl, water, fltrd, μg/L (61596)
May 19...	<.20	<.03	<.029	<.013	<.024	E.009	<.010	<.008	<.01	<.006	<.020	<.016	<.007

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 5 of 7

[Remark codes: <, less than; E, estimated.]

Date	Methid- athion, water, fltrd, μg/L (61598)	Methyl para- oxon, water, fltrd, μg/L (61664)	Methyl para- thion, water, fltrd, 0.7u GF (82667)	Metola- chlor, water, fltrd, μg/L (39415)	Metri- buzin, water, fltrd, μg/L (82630)	Moli- nate, water, fltrd, 0.7u GF (82671)	Myclo- butanil water, fltrd, μg/L (61599)	Oxy- fluor- fen, water, fltrd, μg/L (61600)	Pendi- meth- alin, water, fltrd, 0.7u GF (82683)	Phorate oxon, water, fltrd, μg/L (61666)	Phorate water, fltrd, 0.7u GF (82664)	Phosmet oxon, water, fltrd, μg/L (61668)	Phosmet water, fltrd, μg/L (61601)
May 19...	<.004	<.01	<.008	.517	<.012	<.003	<.010	<.006	<.012	<.03	<.040	<.05	<.009

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 6 of 7

[Remark codes: <, less than; E, estimated.]

Date	Prome-ton, water, fltrd, μg/L (04037)	Prome-tryn, water, fltrd, μg/L (04036)	Propy-zamide, water, fltrd, 0.7u GF (82676)	Propani-l, water, fltrd, 0.7u GF (82679)	Propar-gite, water, fltrd, 0.7u GF (82685)	Simazine, water, fltrd, 0.7u GF (04035)	Tebu-thiuron water, fltrd, 0.7u GF (82670)	Teflu-thrin, water, fltrd, 0.7u GF (61606)	Terbufos oxon sulfone water, fltrd, 0.7u GF (61674)	Terbu-fos, water, fltrd, 0.7u GF (82675)	Terbutyl- azine, water, fltrd, 0.7u GF (04022)	Thio-bencarb water, fltrd, 0.7u GF (82681)	trans- Propi-conazole, water, fltrd, μg/L (79847)
May 19...	.01	<.006	<.004	<.006	<.04	.011	<.02	<.003	<.04	<.02	<.01	<.010	<.02

01461250 WICKECHEOKE CREEK AT LOCKTOWN, NJ—Continued**WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO
SEPTEMBER 2008**

Part 7 of 7

[Remark codes: <, less than; E, estimated.]

Date	Tri- flur- alin, phos, water, water, filtrd, μg/L (61610)	Di- chlor- vos, water, filtrd, filtrd, μg/L (82661)	Di- chlor- vos, water, filtrd, filtrd, μg/L (38775)
May 19...	<.035	<.009	<.01